Form IC 73	37																				
Rev. 2-12		State Fo	orm 3	37779										ct No.			IR-349				
File Only						T 4 3 7			1 5 5 5 5		\ T = 0	Report No. 1 of 4 TRANSPORTATION									
									UTATIO CONO												
					1 1/1	N I C	LLO		CON	CKEL	L D			ension		KS	12/26/	/201 ⁻	2		
									IDEN	NTIFICA	TIO						12,20,				
Producer			Pre	stress	s Servi	ces - I	exi	ngtor	ı, KY			Mei	mbe	r Nos.		501	-1,502-2	2, 50	5-3		
Bed No. 1 Bed						d Len	l Length 4,4			29 in		Member Lengt			gth	1,236 in					
Member Size 54" H x 48" W										ber Type					5	54" Bulb Tee					
										STRAN	_										
C:	1/2		Т-	27	OL I D	0 1		(A)				41	- 61	[7] 4: -	:4 (E)		20.000	000		11	
Size 1/2 ins. Type 270k LRO						0 A	Area (A) 0.1646				ins. ² Modulus of I						28,800,000			lbs.	
Strand Ma	ınufa	cturer								An	nerio	an Sp	rin	gwire							
									GEN	ERAL I	DAT	A									
Specified Stress (as shown on plans)												Specified Load (P)			(P)			lbs.			
Pre Load (Pi) 3,0						,000	100					P - Pi				30,815				lbs.	
Gage Length of Strand (L)							,429)		ins.	Stra	and er	ıcas	ed in o	concret	e	3			ins.	
						- P _i) x	L)		136	5,479,63	35	;		-		28.79	in				
				(e) =	_	A xE		- = -		740,480		=			23.7						
					(P - F	(P - Pi)			30,815	5				1	,070		lbs / i	n.			
			(p)	=	e		=		28.79		7 =	=			Ĺ			T			
Air Tempe	eratu	re Wher	ı Ter	sione	d:			35		°F		Ass	sum	ed Coı	ncrete T	Γemperatu	re	55		°F	
1					-	1			OPERAT	-	LO					1					
Assumed				Actual								Т	Assum		ed Actua						
Thermal									Anche	orage M	Iovement			0.33			0.033				
Slippage 0.125 0.12										choring Bolts			+								
Splices	-	0	_			0	71110				Other			_							
_	-							Λ 15	0		hes							_			
Total Ope	Total Operational Losses (e ₁) =								0.158									_			
- 1							CO	RREC	CTED ELO	ONGAT	ION	FOR	LO	SSES							
Computed Elongation			(e)		28.79	ins.	+	Loss	ses (e ₁)	0.15	58	Corrected Elonga			ongatio		28.		ins		
																(Elon	gation to	ion to be Mea			
							C	ORR	RECTED I	LOAD F	OR	LOSS	ES								
Specified Load (P)											33,815								lbs.		
Equivalent Load for Losses =				= p x(e ₁)				69	Coı	Corrected Loa		ad	(Pc)		33,984			lbs.			
						TO)TA	LJA	CKING I	LOAD (if mu	ıltiple	str	and)	1						
Number of	f Stra	ınds			1			x I	Pc =								33,	984	lbs.		
Actual Jac	king	Load									lbs										
					MAX	KIMUI	ΜA	ND M	IINIMUM	IALLO	WA	BLEE	LO	NGAT	IONS						
(e _c - 5%)	=	0.95	х	x 28.95 =					27.50		27 4/8			ins.	(minimu	n elongation)					
$(e_c + 5\%)$	=	1.05	х		28.95		= 30.40			or		30 3/8 ins.			ins.	(maximum elongation))		
· /																		T			
REMARK	S:					-															
				1	1 1	1									1		1				
						- a	Œ (C C 1	СА Л	1 111	710	ו הס	W.	COS	~		12	/2	6/20	12	
				In	ispecto	r J	ي ر	$J_{\mathcal{O}}$	U/L IV	L. JYL	γLΊ	\mathcal{L}_{I}	J¥,	$\mathcal{S}\mathcal{O}\mathcal{I}$	٧	Da	te 12	12	6/20	114	